

P.Gambel

1644

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/819,669E

DATE: 07/13/2000
TIME: 04:02:39

INPUT SET: S35683.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

1 (1) General Information:

2 (i) APPLICANTS: Boon-Falleur, Thierry; Van der Bruggen, Thierry;
3 Van den Eynde, Beno t; Van Pel, Aline; De Plaen, Etienne;
4 Lurquin, Christophe; Chomez, Patrick; Traversari, Catia

5 (ii) TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
6 Rejection Antigens and Uses Thereof

7 (iii) NUMBER OF SEQUENCES: 28

8 (iv) CORRESPONDENCE ADDRESS:

9 (A) ADDRESSEE: Fulbright & Jaworski LLP
10 (B) STREET: 666 Fifth Avenue
11 (C) CITY: New York City
12 (D) STATE: New York
13 (E) COUNTRY: USA
14 (F) ZIP: 10103

15 (v) COMPUTER READABLE FORM:

16 (A) MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
17 (B) COMPUTER: IBM
18 (C) OPERATING SYSTEM: PC-DOS
19 (D) SOFTWARE: Wordperfect

20 (vi) CURRENT APPLICATION DATA:

21 (A) APPLICATION NUMBER: 08/819,669
22 (B) FILING DATE: 17-March-1997
23 (C) CLASSIFICATION: 435

24 (vii) PRIOR APPLICATION DATA:

25 (A) APPLICATION NUMBER: 08/142,368
26 (B) FILING DATE: 02-MAY-1994

27 (vii) PRIOR APPLICATION DATA:

28 (A) APPLICATION NUMBER: PCT/US92/04354
29 (B) FILING DATE: 22-MAY-1992

30 (vii) PRIOR APPLICATION DATA:

31 (A) APPLICATION NUMBER: 07/807,043
32 (B) FILING DATE: 12-DECEMBER-1991

33 (vii) PRIOR APPLICATION DATA:

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**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/819,669E**

DATE: 07/13/2000
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46          (A) APPLICATION NUMBER: 07/764,364
47          (B) FILING DATE: 23-SEPTEMBER-1991
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49          (vii) PRIOR APPLICATION DATA:
50          (A) APPLICATION NUMBER: 07/728,838
51          (b) FILING DATE: 9-JULY-1991
52
53          (vii) PRIOR APPLICATION DATA:
54          (A) APPLICATION NUMBER: 07/705,702
55          (B) FILING DATE: 23-May-1991
56
57          (viii) ATTORNEY/AGENT INFORMATION:
58          (A) NAME: Hanson, Norman D.
59          (B) REGISTRATION NUMBER: 30,946
60          (C) REFERENCE/DOCKET NUMBER: LUD 5253.5-US
61
62          (ix) TELECOMMUNICATION INFORMATION:
63          (A) TELEPHONE: (212) 318-3168
64          (B) TELEFAX: (212) 752-5958
65
66
67

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ERRORED SEQUENCES FOLLOW:

399	(2) INFORMATION FOR SEQ ID NO: 8:	
400	(i) SEQUENCE CHARACTERISTICS:	
401	(A) LENGTH: 5674 base pairs	50
402	(B) TYPE: nucleic acid	100
403	(C) STRANDEDNESS: single	150
404	(D) TOPOLOGY: linear	200
405	(ii) MOLECULE TYPE: genomic DNA	250
406	(ix) FEATURE:	300
407	(A) NAME/KEY: MAGE-1 gene	350
408	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	400
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411	CCGGGGCAC CACTGGCATC CCTCCCCCTA CCACCCCAA TCCCTCCCTT	550
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413	AGAATCCGGT TCCACCCCTG CTCTCAACCC AGGGAAGCCC AGGTGCCAG	650
414	ATGTGACGCC ACTGACTTGA GCATTAGTGG TTAGAGAGAA GCGAGGTTTT	
415	CGGTCTGAGG GGCGGCTTGA GATCGGTGGA GGGAAAGCGGG CCCAGCTCTG	
416	TAAGGAGGCA AGGTGACATG CTGAGGGAGG ACTGAGGACC CACTTACCCC	
417	AGATAGAGGA CCCCAAATAA TCCCTTCATG CCAGTCCTGG ACCATCTGGT	
418	GGTGGACTTC TCAGGCTGGG CCACCCCCAG CCCCCCTTGCT GCTAAACCA	
419	CTGGGGACTC GAAGTCAGAG CTCCGTGTGA TCAGGGAAGG GCTGCTTAGG	
420	AGAGGGCAGC GTCCAGGCTC TGCCAGACAT CATGCTCAGG ATTCTCAAGG	
421	AGGGCTGAGG GTCCCTAAGA CCCCACTCCC GTGACCCAAC CCCCACTCCA	
422	ATGCTCACTC CCGTGACCCA ACCCCCTCTT CATTGTCATT CCAACCCCCA	
423	CCCCACATCC CCCACCCCCAT CCCTCAACCC TGATGCCCAT CGGCCAGCC	

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424	ATTCCACCCCT	CACCCCCCACC	CCCACCCCCA	CGCCCACACTCC	CACCCCCCACC	700
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427	AGGGACGGCG	TAGAGTTCGG	CCGAAGGAAC	CTGACCCAGG	CTCTGTGAGG	850
428	AGGCAAGGTG	AGAGGCTGAG	GGAGGACTGA	GGACCCCGCC	ACTCCAAATA	900
429	GAGAGCCCCA	AATATTCCAG	CCCCGCCCTT	GCTGCCAGCC	CTGGCCCCACC	950
430	CGCGGGAAGA	CGTCTCAGCC	TGGGCTGCC	CCAGACCCCT	GCTCCAAAAG	1000
431	CCTTGAGAGA	CACCAGGTT	TTCTCCCCAA	GCTCTGGAAT	CAGAGGTTGC	1050
432	TGTGACCAGG	GCAGGACTGG	TTAGGAGAGG	GCAGGGCACA	GGCTCTGCCA	1100
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434	ACTCCAATCC	CCACTCCCAC	CCCATTGCA	TTCCCATTCC	CCACCCAACC	1200
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436	CCTGACCACC	ACCCTCCAGC	CCCAGCACCA	GCCCCAACCC	TTCTGCCACC	1300
437	TCACCCCTCAC	TGCCCCAAC	CCCACCCCTCA	TCTCTCTCAT	GTGCCCCACT	1350
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448	CACCGCCACC	CCACTCACAT	TCCCCATACCT	ACCCCTAAC	CCCAACCTCA	1900
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462	ATGGGGCTTT	GGGGTAAAGG	GGGGATGTCT	ACTCATGTCA	GGGAATTGGG	2600
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468	GAACATGAGG	GAGGACTGAG	GGTACCCCGAG	GACCAGAAC	CTGAGGGAGA	2900
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470	GGGCCGTCTG	CCGAGGTCTT	TCCGTTATCC	TGGGATCATT	GATGTCAGGG	3000
471	ACGGGGAGGC	CTTGGTCTGA	GAAGGCTGCG	CTCAGGTCA	TAGAGGGAGC	3050
472	GTCCCAGGCC	CTGCCAGGAG	TCAAGGTGAG	GACCAAGCGG	GCACCTCAC	3100
473	CAGGACACAT	TAATTCCAAT	GAATTTGAT	ATCTCTTGCT	GCCCTTCCCC	3150
474	AAGGACCTAG	GCACGTGTGG	CCAGATGTTT	GTCCCCCTCT	GTCCTCCAT	3200
475	TCCTTATCAT	GGATGTGAAC	TCTTGATTG	GATTTCTCAG	ACCAGCAAAA	3250
476	GGGCAGGATC	CAGGCCCTGC	CAGGAAAAAT	ATAAGGGCCC	TGCGTGAGAA	3300

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480	GGCCTGGTC TGAGACAGTA TCCTCAGGTC ACAGAGCAGA GGATGCACAG	3500
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482	TGCCACAGGA CACATAGGAC TCCACAGAGT CTGGCCTCAC CTCCCTACTG	3600
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484	CTCACCTCCT CTTTCAGGTT TTCAGGGGAC AGGCAACCC AGAGGACAGG	3700
485	ATTCCCTGGA GGCCACAGAG GAGCACCAAG GAGAAGATCT GTAAGTAGGC	3750
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491	CAG GCT GCC ACC TCC TCC TCC TCT CCT CTG GTC CTG GGC ACC	4006
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499	CCT GAG ATC TTC GGC AAA GCC TCT GAG TCC TTG CAG CTG GTC	4342
500	TTT GGC ATT GAC GTG AAG GAA GCA GAC CCC ACC GGC CAC TCC	4384
501	TAT GTC CTT GTC ACC TGC CTA GGT CTC TCC TAT GAT GGC CTG	4426
502	CTG GGT GAT AAT CAG ATC ATG CCC AAG ACA GGC TTC CTG ATA	4468
503	ATT GTC CTG GTC ATG ATT GCA ATG GAG GGC GGC CAT GCT CCT	4510
504	GAG GAG GAA ATC TGG GAG GAG CTG AGT GTG ATG GAG GTG TAT	4552
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506	CTC ACC CAA GAT TTG GTG CAG GAA AAG TAC CTG GAG TAC GGC	4636
--> 507	AGG TGC CGG ACA GTG ATC CCG CAC GCT ATG AGT TCC TGT GGG	4688 4678
--> 508	GTC CAA GGG CCC TCG CTG AAA CCA GCT ATG TGA	4711
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514	GTTTCTGTT TATTGGGTGA CTTGGAGATT TATCTTTGTT CTCTTTGGA	5000
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516	AAGTTTATGA ATGACAGCAG TCACACAGTT CTGTGTATAT AGTTAAGGG	5100
517	TAAGAGTCCTT GTGTTTATT CAGATTGGGA AATCCATTCT ATTTTGTGAA	5150
518	TTGGGATAAT AACAGCAGTG GAATAAGTAC TTAGAAATGT GAAAAATGAG	5200
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520	CTTGCTTAT ACCTCAGTCT ATTCTGTAAA ATTTTTAAAG ATATATGCAT	5300
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526	GGTGAGGGTG TGGGGCTCCG GGTGAGAGTG GTGGAGTGTC AATGCCCTGA	5600
527	GCTGGGGCAT TTTGGGCTTT GGGAAACTGC AGTCCCTCT GGGGGAGCTG	5650
528	ATTGTAATGA TCTTGGGTGG ATCC	5674
529		

RAW SEQUENCE LISTING
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 TIME: 04:02:43

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1008 (2) INFORMATION FOR SEQ ID NO: 17:
 1009 (i) SEQUENCE CHARACTERISTICS:
 1010 (A) LENGTH: 2305 base pairs
 --> 1011 (B) TYPE: nucleic acid);
 1012 (C) STRANDEDNESS: single
 1013 (D) TOPOLOGY: linear
 1014 (ii) MOLECULE TYPE: genomic DNA
 1015 (ix) FEATURE:
 1016 (A) NAME/KEY: MAGE-51 gene
 1017 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

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1030	GAAGCTCCAG AGGATCCCCA GGAGGCCCTA GAGGAGCACC AAAGGAGAAG	500
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1035	GGC CTT GAC ACC CAA GAA GAG CCC TGG GCC TGG TGG GTG TGC	728
1036	AGG CTG CCA CTA CTG AGG AGC AGG AGG CTG TGT CCT CCT CCT	770
1037	CTC CTC TGG TCC CAG GCA CCC TGG GGG AGG TGC CTG CTG CTG	812
1038	GGT CAC CAG GTC CTC TCA AGA GTC CTC AGG GAG CCT CCG CCA	854
1039	TCC CCA CTG CCA TCG ATT TCA CTC TAT GGA GGC AAT CCA TTA	896
1040	AGG GCT CCA GCA ACC AAG AAG AGG AGG GGC CAA GCA CCT CCC	938
1041	CTG ACC CAG AGT CTG TGT TCC GAG CAG CAC TCA GTA AGA AGG	980
1042	TGG CTG ACT TGA	992
1043	TTCACTTTCT GCTCCTCAAG TATTAAGTCA AGGAGCCGGT CACAAAGGCA	1042
1044	GAAATGCTGG AGAGCGTCAT CAAAAATTAC AAGCGCTGCT TTCTGAGAT	1092
1045	CTTCGGCAAA GCCTCCGAGT CCTTGAGCT GGTCTTTGGC ATTGACGTGA	1142
1046	AGGAAGCGGA CCCCCACCAGC AACACCTACA CCCTTGTCAC CTGCGTGGGA	1192
1047	CTCCTATGAT GGCCTGGTGG TTTAATCAGA TCATGCCAA GACGGGCCTC	1242
1048	CTGATAATCG TCTTGGGCAT GATTGCAATG GAGGGCAAAT GCGTCCCTGA	1292
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1053	CACGTGGTCA GGGTCAATGC AAGAGTTCTC ATTCCTTAC CATCCCTGCA	1542
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1055	CCAGGGCCAC TGCGAGGGGG GCTGGGCCAG TGCACCTTCC AGGGCTCCGT	1642
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1057	TGAAGAGAGC AGTCAACATT CTTAGTAGTG GGTTCTGTT CTATTGGATG	1742
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1059	TAATGGGTGG TTGAATGAAC TTCAGCATTC AAATTTATGA ATGACAGTAG	1842
1060	TCACACATAG TGCTGTTTAT ATAGTTAGG AGTAAGAGTC TTGTTTTTA	1892
1061	TTCAGATTGG GAAATCCATT CGATTTGTG AATTGGGACA TAGTTACAGC	1942
1062	AGTGGAAATAA GTATTCAATT AGAAATGTGA ATGAGCAGTA AACTGATGA	1992
1063	GATAAAAGAAA TTAAAGATA TTTAATTCTT GCCTTATACT CAGTCTATT	2042
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1065	TGAGAATGTA AGACAAATTA AATCTGAATA AATCATTCTC CCTGTTCACT	2142
1066	GGCTCATTAA TTCTCTATGC ACTGAGCATT TGCTCTGTGG AAGGCCCTGG	2192
1067	GTAAATAGTG GAGATGCTAA GGTAAAGCCAG ACTCACCCCT ACCCACAGGG	2242
1068	TAGTAAAGTC TAGGAGCAGC AGTCATATAA TTAAGGTGGA GAGATGCCCT	2292
1069	CTAAGATGTA GAG	2305
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1072		
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1334 (2) INFORMATION FOR SEQ ID NO: 24:
 1335 (i) SEQUENCE CHARACTERISTICS:
 1336 (A) LENGTH: 2150 base pairs
 1337 (B) TYPE: nucleic acid
 1338 (C) STRANDEDNESS: single
 1339 (D) TOPOLOGY: linear
 1340 (ii) MOLECULE TYPE: genomic DNA
 1341 (ix) FEATURE:
 1342 (A) NAME/KEY: smage-I
 1343 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

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1349	ACAGGTTTCT GCCCCTGCAT GGAGCTTAAA TAGATCTTTC TCCACAGGCC	150
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1351	GCCCTTGTAT GCAGGCCTAA GTTTTCTGT CTGCTTAACC CCTCCAAGTG	250
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1353	ATGCAGTGGC CTAACAAGTT TTAATTCTT CCACAGGGTT TGCAGAAAAG	350
1354	AGCTTGATCC ACGAGTTCAG AAGTCCTGGT ATGTTCCCTAG AAAG	394
1355	ATG TTC TCC TGG AAA GCT TCA AAA GCC AGG TCT CCA TTA AGT	436
1356	CCA AGG TAT TCT CTA CCT GGT AGT ACA GAG GTA CTT ACA GGT	478
1357	TGT CAT TCT TAT CCT TCC AGA TTC CTG TCT GCC AGC TCT TTT	520
--> 1358	ACT TCA GCC CTG AGC ACA GTC AAC ATG CCT AGG GGT CAA AAG	565
--> 1359	AGT AAG ACC CGC TCC CGT GCA AAA CGA CAG CAG TCA CGC AGG	562
1360	GAG GTT CCA GTA GTT CAG CCC ACT GCA GAG GAA GCA GGG TCT	646
1361	TCT CCT GTT GAC CAG AGT GCT GGG TCC AGC TTC CCT GGT GGT	688
1362	TCT GCT CCT CAG GGT GTG AAA ACC CCT GGA TCT TTT GGT GCA	730
1363	GGT GTA TCC TGC ACA GGC TCT GGT ATA GGT GGT AGA AAT GCT	772
1364	GCT GTC CTG CCT GAT ACA AAA AGT TCA GAT GGC ACC CAG GCA	814
1365	GGG ACT TCC ATT CAG CAC ACA CTG AAA GAT CCT ATC ATG AGG	856
1366	AAG GCT AGT GTG CTG ATA GAA TTC CTG CTA GAT AAA TTT AAG	898
1367	ATG AAA GAA GCA GTT ACA AGG AGT GAA ATG CTG GCA GTA GTT	940
1368	AAC AAG AAG TAT AAG GAG CAA TTC CCT GAG ATC CTC AGG AGA	982

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1370	GAA ATT GAT CCC AGC ACT CAT TCC TAT TTG CTG GTA GGC AAA	1066
1371	CTG GGT CTT TCC ACT GAG GGA AGT TTG AGT AGT AAC TGG GGG	1108
1372	TTG CCT AGG ACA GGT CTC CTA ATG TCT GTC CTA GGT GTG ATC	1150
1373	TTC ATG AAG GGT AAC CGT GCC ACT GAG CAA GAG GTC TGG CAA	1192
1374	TTT CTG CAT GGA GTG GGG GTA TAT GCT GGG AAG AAG CAC TTG	1234
1375	ATC TTT GGC GAG CCT GAG GAG TTT ATA AGA GAT GTA GTG CGG	1276
--> 1376	GAA AAT TAC CTG GAG TAC CGC CAG GTA CCT GGC AGT GAT CCC	1314 /B18
--> 1377	CCA AGC TAT GAG TTC CTG TGG GGA CCC AGA GCC CAT GCT GAA	1360
1378	ACA ACC AAG ATG AAA GTC CTG GAA GTT TTA GCT AAA GTC AAT	1402
1379	GGC ACA GTC CCT AGT GCC TTC CCT AAT CTC TAC CAG TTG GCT	1444
1380	CTT AGA GAT CAG GCA GGA GGG GTG CCA AGA AGG AGA GTT CAA	1486
1381	GGC AAG GGT GTT CAT TCC AAG GCC CCA TCC CAA AAG TCC TCT	1528
1382	AAC ATG TAG	1537
1383	TTGAGTCTGT TCTGTTGTGTTGAAAAACA GTCAGGCTCC TAATCAGTAG	1587
1384	AGAGTTCATATA GCCTACCAGA ACCAACATGC ATCCATTCTT GGCTGTTAT	1637
1385	ACATTAGTAG AATGGAGGCT ATTTTGTTA CTTTTCAAAT GTTGTGTTAA	1687
1386	CTAAACAGTG CTTTTGCCA TGCTCTTGT TAACTGCATA AAGAGGTAAC	1737
1387	TGTCACTTGT CAGATTAGGA CTTGTTTGT TATTTGCAAC AAACCTGGAAA	1787
1388	ACATTATTTT GTTTTTACTA AAACATTGTG TAACATTGCA TTGGAGAAGG	1837
1389	GATTGTCATG GCAATGTGAT ATCATACTAGT GGTGAAACAA CAGTGAAGTG	1887
1390	GGAAAGTTA TATTGTTAAT TTTGAAAATT TTATGAGTGT GATTGCTGTA	1937
1391	TACTTTTTTC TTGTTTGTAT AATGCTAAGT GAAATAAAAGT TGGATTTGAT	1987
1392	GACTTTACTC AAATTCAATTA GAAAGTAAAT CGTAAACTC TATTACTTTA	2037
1393	TTATTTCTT CAATTATGAA TTAAGCATTG GTTATCTGGA AGTTTCTCCA	2087
1394	GTAGCACAGG ATCTAGTATG AAATGTATCT AGTATAGGCA CTGACAGTGA	2137
1395	GTTATCAGAG TCT	2150
1396		
1397		
1398		

1471	(2) INFORMATION FOR SEQ ID NO:27:
1472	(i) SEQUENCE CHARACTERISTICS:
--> 1473	(A) LENGTH: 20 nucleotides
--> 1474	(B) TYPE: nucleic acid
1475	(C) STRANDEDNESS: single
1476	(D) TOPOLOGY: linear
1477	(ii) MOLECULE TYPE: cDNA
1478	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:
--> 1479	ACTCAGCTCC TCCCCAGATT
1480	

**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/819,669E**DATE: 07/13/2000
TIME: 04:10:22**INPUT SET: S35683.raw**

Line	Error	Original Text
31	Wrong Classification	(C) CLASSIFICATION: 435
495	# of Sequences for line conflicts w/ running total	GAG GAG GGG CCA AGC ACC TCT TGT ATC CTG GA
496	# of Sequences for line conflicts w/ running total	CGA GCA GTA ATC ACT AAG AAG GTG GCT GAT TT
507	# of Sequences for line conflicts w/ running total	AGG TGC CGG ACA GTG ATC CCG CAC GCT ATG AG
508	# of Sequences for line conflicts w/ running total	GTC CAA GGG CCC TCG CTG AAA CCA GCT ATG TG
1011	Unknown or Misplaced Identifier	(B) TYPE; nucleic acid
1358	# of Sequences for line conflicts w/ running total	ACT TCA GCC CTG AGC ACA GTC AAC ATG CCT AG
1359	# of Sequences for line conflicts w/ running total	AGT AAG ACC CGC TCC CGT GCA AAA CGA CAG CA
1376	# of Sequences for line conflicts w/ running total	GAA AAT TAC CTG GAG TAC CGC CAG GTA CCT GG
1377	# of Sequences for line conflicts w/ running total	CCA AGC TAT GAG TTC CTG TGG GGA CCC AGA GC
1473	Entered (20) and Calc. Seq. Length (0) differ	(A) LENGTH: 20 nucleotides
1474	Unknown or Misplaced Identifier	(B) TYPE; nucleic acid
1479	Wrong Amino Acid Designator	ACTCAGCTCC TCCCAGATT
1479	Wrong Amino Acid Designator	ACTCAGCTCC TCCCAGATT

PAGE: 1

**SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/08/819,669E**

DATE: 07/13/2000
TIME: 04:10:22

INPUT SET: S35683.raw

PRIOR APPLICATION DATA More Identifiers Found Than MAX Allowed

**SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/08/819,669E**

DATE: 07/13/2000
TIME: 04:10:22

INPUT SET: S35683.raw

Line	Original Text	Corrected Text
5	(i) APPLICANTS: Boon-Falleur, Thierry; Van	(i) APPLICANT: Boon-Falleur, Thierry; Van de
19	(E) COUNTRY; USA	(E) COUNTRY;; USA
33	(vii) PRIOR APPLICATION DATA:	(vii) PRIOR APPLICATION DATA:
68	(2) INFORMATION FOR SEQUENCE ID NO: 1:	(2) INFORMATION FOR SEQ ID NO: 1:
91	(2) INFORMATION FOR SEQUENCE ID NO: 2:	(2) INFORMATION FOR SEQ ID NO: 2:
148	(2) INFORMATION FOR SEQUENCE ID NO: 3:	(2) INFORMATION FOR SEQ ID NO: 3:
166	(2) INFORMATION FOR SEQUENCE ID NO: 4:	(2) INFORMATION FOR SEQ ID NO: 4:
211	(2) INFORMATION FOR SEQUENCE ID NO: 5:	(2) INFORMATION FOR SEQ ID NO: 5:
323	(2) INFORMATION FOR SEQUENCE ID NO: 6:	(2) INFORMATION FOR SEQ ID NO: 6:
337	(2) INFORMATION FOR SEQUENCE ID NO: 7:	(2) INFORMATION FOR SEQ ID NO: 7:
399	(2) INFORMATION FOR SEQUENCE ID NO: 8:	(2) INFORMATION FOR SEQ ID NO: 8:
533	(2) INFORMATION FOR SEQUENCE ID NO: 9:	(2) INFORMATION FOR SEQ ID NO: 9:
639	(2) INFORMATION FOR SEQUENCE ID NO: 10:	(2) INFORMATION FOR SEQ ID NO: 10:
669	(2) INFORMATION FOR SEQUENCE ID NO: 11:	(2) INFORMATION FOR SEQ ID NO: 11:
723	(2) INFORMATION FOR SEQUENCE ID NO: 12:	(2) INFORMATION FOR SEQ ID NO: 12:
760	(2) INFORMATION FOR SEQUENCE ID NO: 13:	(2) INFORMATION FOR SEQ ID NO: 13:
832	(2) INFORMATION FOR SEQUENCE ID NO: 14:	(2) INFORMATION FOR SEQ ID NO: 14:
904	(2) INFORMATION FOR SEQUENCE ID NO: 15:	(2) INFORMATION FOR SEQ ID NO: 15:
945	(2) INFORMATION FOR SEQUENCE ID NO: 16:	(2) INFORMATION FOR SEQ ID NO: 16:
1008	(2) INFORMATION FOR SEQUENCE ID NO: 17:	(2) INFORMATION FOR SEQ ID NO: 17:
1074	(2) INFORMATION FOR SEQUENCE ID NO: 18:	(2) INFORMATION FOR SEQ ID NO: 18:
1096	(2) INFORMATION FOR SEQUENCE ID NO: 19:	(2) INFORMATION FOR SEQ ID NO: 19:
1152	(2) INFORMATION FOR SEQUENCE ID NO: 20:	(2) INFORMATION FOR SEQ ID NO: 20:
1208	(2) INFORMATION FOR SEQUENCE ID NO: 21:	(2) INFORMATION FOR SEQ ID NO: 21:
1256	(2) INFORMATION FOR SEQUENCE ID NO: 22:	(2) INFORMATION FOR SEQ ID NO: 22:
1293	(2) INFORMATION FOR SEQUENCE ID NO: 23:	(2) INFORMATION FOR SEQ ID NO: 23:
1334	(2) INFORMATION FOR SEQUENCE ID NO: 24:	(2) INFORMATION FOR SEQ ID NO: 24:
1399	(2) INFORMATION FOR SEQUENCE ID NO: 25:	(2) INFORMATION FOR SEQ ID NO: 25:
1457	(2) INFORMATION FOR SEQUENCE ID NO: 26:	(2) INFORMATION FOR SEQ ID NO: 26:
1471	(2) INFORMATION FOR SEQUENCE ID NO: 27	(2) INFORMATION FOR SEQ ID NO:27:
1478	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:
1481	(2) INFORMATION FOR SEQUENCE ID NO: 28	(2) INFORMATION FOR SEQ ID NO:28: